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DETAILED ACTION

Response to Arguments

1. Applicant's arguments see the response filed 16 September 2004, with respect to the amendments to the claims have been fully considered and are persuasive. The 102 (b) rejection of 17 June 2004 is moot and has been withdrawn.

Allowable Subject Matter

- 2. Claims 1, 4-7, 10-13, 15-16 and 19-20 are allowed. The applicant cancelled claim 2-3, 8-9, 14, 17-18.
- 3. The following is an examiner's statement of reasons for allowance:

The arguments and the amendments of record to the claims as presented by the applicant in the instant application convinces the examiner that the irregular three-dimensional polygonal model of a three dimensional irregular volume within a GIS platform is allowable over the cited art of record.

The amended claim limitations including the steps used to construct the precise and better 3-D irregular polygonal using steps for "(a) estimating the 2-D polygonal and thereby representing a lateral boundary...[and] combined with the steps of (b) estimating the irregular surface...[and] with the steps of (c) and the steps of (d) and the steps of (c)" as found in the amended claims of record and in the arguments of record as presented on pages 8-9 of the response on 16

September 2004 convinces the examiner that the instant application is allowable over the cited art of record.

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It is these limitations expressed in each of these claims and not found, taught, or suggested in the prior art of record, that makes these claims allowable over the prior art.

Claims 4-7, 10, 15-16 and 19-20, which are variously dependent on the allowed independent claims of 1 and 13 are allowed at least for the reasons cited above.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor J. Taylor whose telephone number is 571-272-2281. The examiner can normally be reached on 8:00 to 5:30 PM.
- 6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Barlow can be reached on 571-272-2863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

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John Barjow
Supervisory Patent Examiner
Technology Center 2800